

J.A. 5000



OIEP

## RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/889,756A

TIME: 16:11:31

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05142002\I889756A.raw

ENTERED

4 <110> APPLICANT: Joelle Thonnard  
 6 <120> TITLE OF INVENTION: BASB055  
 9 <130> FILE REFERENCE: BM45353  
 11 <140> CURRENT APPLICATION NUMBER: 09/889,756A  
 C--> 12 <141> CURRENT FILING DATE: 2002-04-18  
 14 <150> PRIOR APPLICATION NUMBER: 9901462.3  
 15 <151> PRIOR FILING DATE: 1999-01-22  
 17 <150> PRIOR APPLICATION NUMBER: 9902069.5  
 18 <151> PRIOR FILING DATE: 1999-01-29  
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 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 1239  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Neisseria meningitidis  
 29 <400> SEQUENCE: 1  
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 31 gtactgtcgt cttgcggtaa aggcggagac gcggcgcagg gcgggcagcc tgctggtcgg 120  
 32 gaagcccttg cgcccgctgt cgggtgcgta accgtccatc cgcaaaccgt cgcattgacc 180  
 33 gtcgagttgc cggggcggtt ggaatcgctg cgtaccgccc atgtccgcgc ccaagtcggc 240  
 34 ggcacatccc aaaaacgcct gttccaagaa ggcagttatg tccgtgccgg acagccgctg 300  
 35 tatcagatcg acagttccac ttatgaagca aatctggaaa gcgcgcgcgc gcaactggca 360  
 36 acggctcagg caacgcttgc caaagcggat gcggatttgg cgcgatacaa gcctttggtt 420  
 37 gccgcggaag ccgtcagccg gcaggaatac gatgctgcgg taacggcgaa acgttctgcc 480  
 38 gaggcagggtg tcaaagcagc acaggcggca atcaaactcg ccggcattaa tctgaaccgt 540  
 39 tcgcgcatta ccgcgcgat ttccggcttt atcggctcagt ccaaagtttc cgaaggtagc 600  
 40 ctgttgaaatg cgggcgatac gaccgtgctg gcaaccatcc gccaaaccaa tccgatgtat 660  
 41 gtgaacgtta ccagctctgc atccgaagtg atgaaattgc gccgtcagat agccgaaggc 720  
 42 aaactgctgg cggcggatgg tgtgattgcg gtcggcatca aatttgacga cggcacagtt 780  
 43 taccctgaaa aaggccgcct gctgtttgcc gatccggctg tcaacgaatc gaccggtcag 840  
 44 attaccctgc gcgcgcgcgt accgaacgat cagaatatcc tgatgcccggt tctgtatgtg 900  
 45 cgcgtgctga tggaccaagt ggcggtggat aacgcatttg ttgtgccgca gcaggcggta 960  
 46 acgcgcgggtg cgaaagatac cgtgatgatt gtgaatgcc aaggcgggtat ggaaccccg 1020  
 47 gaggtaacgg ttgcgcaaca gcagggtacg aattggattg ttacgtcggg tctgaaggac 1080  
 48 ggggacaagg tggttgtgga aggcacatcgt atcgccggta taacgggtgc gaaaaaggta 1140  
 49 acgcccgaag aatgggcgtc gtctgaaaac caagccgcgc gcctcaatc cggcggttcag 1200  
 50 acggcatctg aagccaaaac tgcttctgaa gcggaataa 1239  
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 53 <211> LENGTH: 412  
 54 <212> TYPE: PRT  
 55 <213> ORGANISM: Neisseria meningitidis  
 57 <400> SEQUENCE: 2  
 58 Met Ala Phe Tyr Ala Phe Lys Ala Met Arg Ala Ala Ala Leu Ala Ala

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59 1          5          10          15
60 Ala Val Ala Leu Val Leu Ser Ser Cys Gly Lys Gly Gly Asp Ala Ala
61          20          25          30
62 Gln Gly Gly Gln Pro Ala Gly Arg Glu Ala Pro Ala Pro Val Val Gly
63          35          40          45
64 Val Val Thr Val His Pro Gln Thr Val Ala Leu Thr Val Glu Leu Pro
65          50          55          60
66 Gly Arg Leu Glu Ser Leu Arg Thr Ala Asp Val Arg Ala Gln Val Gly
67 65          70          75          80
68 Gly Ile Ile Gln Lys Arg Leu Phe Gln Glu Gly Ser Tyr Val Arg Ala
69          85          90          95
70 Gly Gln Pro Leu Tyr Gln Ile Asp Ser Ser Thr Tyr Glu Ala Asn Leu
71          100          105          110
72 Glu Ser Ala Arg Ala Gln Leu Ala Thr Ala Gln Ala Thr Leu Ala Lys
73          115          120          125
74 Ala Asp Ala Asp Leu Ala Arg Tyr Lys Pro Leu Val Ala Ala Glu Ala
75          130          135          140
76 Val Ser Arg Gln Glu Tyr Asp Ala Ala Val Thr Ala Lys Arg Ser Ala
77 145          150          155          160
78 Glu Ala Gly Val Lys Ala Ala Gln Ala Ala Ile Lys Ser Ala Gly Ile
79          165          170          175
80 Asn Leu Asn Arg Ser Arg Ile Thr Ala Pro Ile Ser Gly Phe Ile Gly
81          180          185          190
82 Gln Ser Lys Val Ser Glu Gly Thr Leu Leu Asn Ala Gly Asp Thr Thr
83          195          200          205
84 Val Leu Ala Thr Ile Arg Gln Thr Asn Pro Met Tyr Val Asn Val Thr
85          210          215          220
86 Gln Ser Ala Ser Glu Val Met Lys Leu Arg Arg Gln Ile Ala Glu Gly
87 225          230          235          240
88 Lys Leu Leu Ala Ala Asp Gly Val Ile Ala Val Gly Ile Lys Phe Asp
89          245          250          255
90 Asp Gly Thr Val Tyr Pro Glu Lys Gly Arg Leu Leu Phe Ala Asp Pro
91          260          265          270
92 Val Val Asn Glu Ser Thr Gly Gln Ile Thr Leu Arg Ala Ala Val Pro
93          275          280          285
94 Asn Asp Gln Asn Ile Leu Met Pro Gly Leu Tyr Val Arg Val Leu Met
95          290          295          300
96 Asp Gln Val Ala Val Asp Asn Ala Phe Val Val Pro Gln Gln Ala Val
97 305          310          315          320
98 Thr Arg Gly Ala Lys Asp Thr Val Met Ile Val Asn Ala Gln Gly Gly
99          325          330          335
100 Met Glu Pro Arg Glu Val Thr Val Ala Gln Gln Gln Gly Thr Asn Trp
101          340          345          350
102 Ile Val Thr Ser Gly Leu Lys Asp Gly Asp Lys Val Val Val Glu Gly
103          355          360          365
104 Ile Ser Ile Ala Gly Ile Thr Gly Ala Lys Lys Val Thr Pro Lys Glu
105          370          375          380
106 Trp Ala Ser Ser Glu Asn Gln Ala Ala Ala Pro Gln Ser Gly Val Gln
107 385          390          395          400

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108 Thr Ala Ser Glu Ala Lys Thr Ala Ser Glu Ala Glu  
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111 <210> SEQ ID NO: 3  
112 <211> LENGTH: 41  
113 <212> TYPE: DNA  
114 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: primer  
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123 <211> LENGTH: 42  
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125 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: primer  
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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date